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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/871,402	05/31/2001	Thomas E. Creamer	6169-226	9871

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EXAMINER

HOSSAIN, TANIM M

ART UNIT PAPER NUMBER

2141

DATE MAILED: 09/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/871,402

Applicant(s)

CREAMER ET AL.

Examiner

Tanim Hossain

Art Unit

2141

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>09102004</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-4, and 7-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cox (U.S. 5,812, 533) in view of Bladow (U.S. 6,115,040).

As per claim 1, Cox teaches a method of remotely administering a service component comprising: providing at least one administrative option corresponding to a function to be performed by a service component executing in a service logic execution environment (SLEE) (column 3, lines 18-20, 52-63); receiving a user specified administrative option (column 4, lines 29-30); generating a SLEE compatible event based on said user specified administrative option, said event being of a type which said service component has been registered in said SLEE to receive (column 4, lines 26-35; where for the invention to have utility, SLEE compatibility must exist, and the registration for reception in the SLEE is implied by the nature of the invention. Also see column 33, lines 30-56); and routing said event to said service component via said SLEE, said service component processing said event and performing an administrative function consistent with said event (column 3, lines 16-20; column 4, lines 5-7; where the service provisioning via sending an event to the SLEE is implied by the fact that the administrative function is performed. Event processing is necessitated by the existence

Art Unit: 2141

of the performance of an administrative function.). Cox also teaches the use of a GUI based format to enable the user to request services (column 3, lines 26-30). However, Cox does not specifically teach the use of a hypermedia document to allow the user to request services. Bladow teaches the use of a web-based format, i.e. a hypermedia document to request and subscribe to Internet services (column 3, lines 2-8). It would have been obvious to one of ordinary skill in the art at the time of the invention to include the ability to request administrative options, executed through SLEE, via a web-based interface, i.e. a hypermedia format, as taught by Bladow, in the system of Cox. The motivation for doing so lies in the fact that Bladow and Cox are from the same field of endeavor, namely the user-driven provisioning of network services. Bladow's teaching implemented into Cox's invention enables further efficiency and user-friendliness in requesting services.

As per claim 2, Cox in view of Bladow teaches the method of claim 1, further comprising receiving administrative information from said service component (Cox: column 3, lines 16-20, 52-63; column 4, lines 5-7; where the performance of the function necessitates the reception of information. A well-known and obvious example includes the reception of an event-log. See also column 9, lines 36-38).

As per claim 3, Cox in view of Bladow teaches the method of claim 2, wherein said received administrative information is real-time information (column 4, lines 26-28; where the provision of service constitutes the reception of administrative information. See also column 9, line 59).

As per claim 4, Cox in view of Bladow teaches a method of remotely administering a service component through a hypermedia document comprising:

Art Unit: 2141

registering with a service logic execution environment (SLEE) to receive particular SLEE compatible events generated by said hypermedia document and posted to an event handler in said SLEE (column 4, lines 26-35; where in the execution of the invention, it is necessary that registration takes place in the SLEE, so that the SLEE can execute the inputted command. To implement the command, the use of the event handler is inherent. See also column 33, lines 30-56); receiving an event posted in said SLEE, wherein said received event is one of said particular SLEE compatible events (column 3, lines 16-20, 52-63; column 4, lines 5-7; where the very nature of the invention necessitates the reception of an event posted in the SLEE, and for the invention to have utility, the event must be SLEE-compatible); and performing an administrative function consistent with said received event (column 4, lines 26-35).

Claims 7-10 are rejected on the same bases as claim 1-4 respectively, as claims 7-10 describe an apparatus for implementing the contents of claims 1-4 respectively.

Claims 5, 6, 11, and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cox in view of Bladow, in further view of Deo (U.S. 6,594,355).

As per claim 5, Cox in view of Bladow teaches the method of claim 4, but does not specifically teach encapsulating and posting event information in the SLEE, which can then be routed to the user. Deo teaches encapsulating in a SLEE, compatible event administrative information (column 15, lines 52-57; where the identifier can qualify as administrative information. Compatibility is inherent for the invention to have utility.). It would have been obvious to one of ordinary skill in the art at the time of the invention to include the ability to hold event information in the SLEE, as taught by Deo in the

Art Unit: 2141

system of Cox in view of Bladow. The motivation for doing so lies in the fact that all inventions are from the same field of endeavor, namely the provisioning of services in a network. As for the posting of the event administrative information to the SLEE and routing this information to a remote user, it would have been obvious to one of ordinary skill in the art at the time of the invention to include this limitation, as it is well known in the art. Well-known examples include the use of an event log, which is encapsulated in an execution environment and can be routed to a user. The motivation for including this limitation lies in the fact that it is important that the user know what things are being executed by the SLEE.

As per claim 6, Cox in view of Bladow, in further view of Deo teaches the method of claim 5, wherein said provided administrative information is real-time information (column 4, lines 26-28; where the provision of service constitutes the reception of administrative information. An event-log is another well-known example.).

Claims 11 and 12 are rejected on the same bases as claims 5 and 6 respectively, as claims 11 and 12 describe an apparatus for implementing the contents of claims 5 and 6.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tanim Hossain whose telephone number is 703/605-1228. The examiner can normally be reached on 8:30 am - 5 pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on 703/305-4003. The fax phone number for the organization where this application or proceeding is assigned is 703/872-9306.

Art Unit: 2141

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tanim Hossain
Patent Examiner
Art Unit 2141

~~Paul Kang~~
~~Primary Examiner 2141~~


RUPAL DHARIA
ADVISORY PATENT EXAMINER